



# **Appendix C**

## **Aboriginal**

### **Cultural Heritage**

#### **Technical Note**





**Kelleher  
Nightingale** Consulting Pty Ltd

ABN 26 120 187 671 ACN 120 187 671

Level 10  
25 Bligh St  
Sydney NSW 2000  
p 02 9232 5373

26 November 2021

Simon Murphy  
GHD  
Technical Director - Environment  
Level 3  
24 Honeysuckle Drive  
Newcastle NSW 2300

**RE. Upper South Creek Advanced Water Recycling Centre - Amendment Report**  
Technical Note -Assessment of Impact on Aboriginal Cultural Heritage

### **Aboriginal Heritage Assessment**

Kelleher Nightingale Consulting (KNC) has undertaken an appraisal of Aboriginal cultural heritage in relation to minor amendments to the projects pipeline corridor and proposed impact area (24 November 2021) included in the amendment report for the Upper South Creek Advanced Water Recycling Centre. The pipeline corridor adjustments relate to the proposed impact area shown in the *Upper South Creek Advanced Water Recycling Centre Aboriginal Cultural Heritage Assessment Report* (KNC 2021).

### **Increased Impact Areas**

The modified pipeline corridor has resulted in the increased impact to two Aboriginal archaeological sites:

- TNR AFT 15
  - An increase in the impact area of approximately 35m x 5m
- Fleurs 1 Fleurs Radio Telescope
  - An increase in the east-west corridor of approximately 160m x 15m
  - An increase in the north-south corridor of approximately 10m primarily on the eastern site.

The modified pipeline corridor and previous proposed impact area in relation to the two Aboriginal archaeological sites are shown in Figures 1 and 2.

### **Other Changes**

In addition to the increased impacts, several large areas are now included that were not in the previous version but these do not impact any known Aboriginal heritage sites.

### **Conclusion and Recommendations**

The amendment report pipeline corridor modifications have resulted in new impacts to Aboriginal heritage sites:

- two areas exhibit a minor impact increase

None of the impact increases on Aboriginal heritage sites result in a change of significance – in other words the significance of the increased impacts is consistent with the previous level of impact and do not result in an overall increased impact on Aboriginal heritage despite the increase in physical area.

If you have any questions or require further information, please do not hesitate to contact me on (02) 9232 5373 or email [Matthew.Kelleher@knconsult.com.au](mailto:Matthew.Kelleher@knconsult.com.au)

Yours sincerely,

Dr Matthew Kelleher  
Director/Archaeologist

# Figure redacted for public exhibition due to sensitivity of image

Figure 1. Comparison of proposed impact areas (1 December 2020 and 24 November 2021) in relation to Aboriginal heritage site 'TNR AFT 15'

# Figure redacted for public exhibition due to sensitivity of image

**Figure 2. Comparison of proposed impact areas (1 December 2020 and 24 November 2021) in relation to Aboriginal heritage site 'Fleurs 1 Fleurs Radio Telescope'**